

FIG. 1

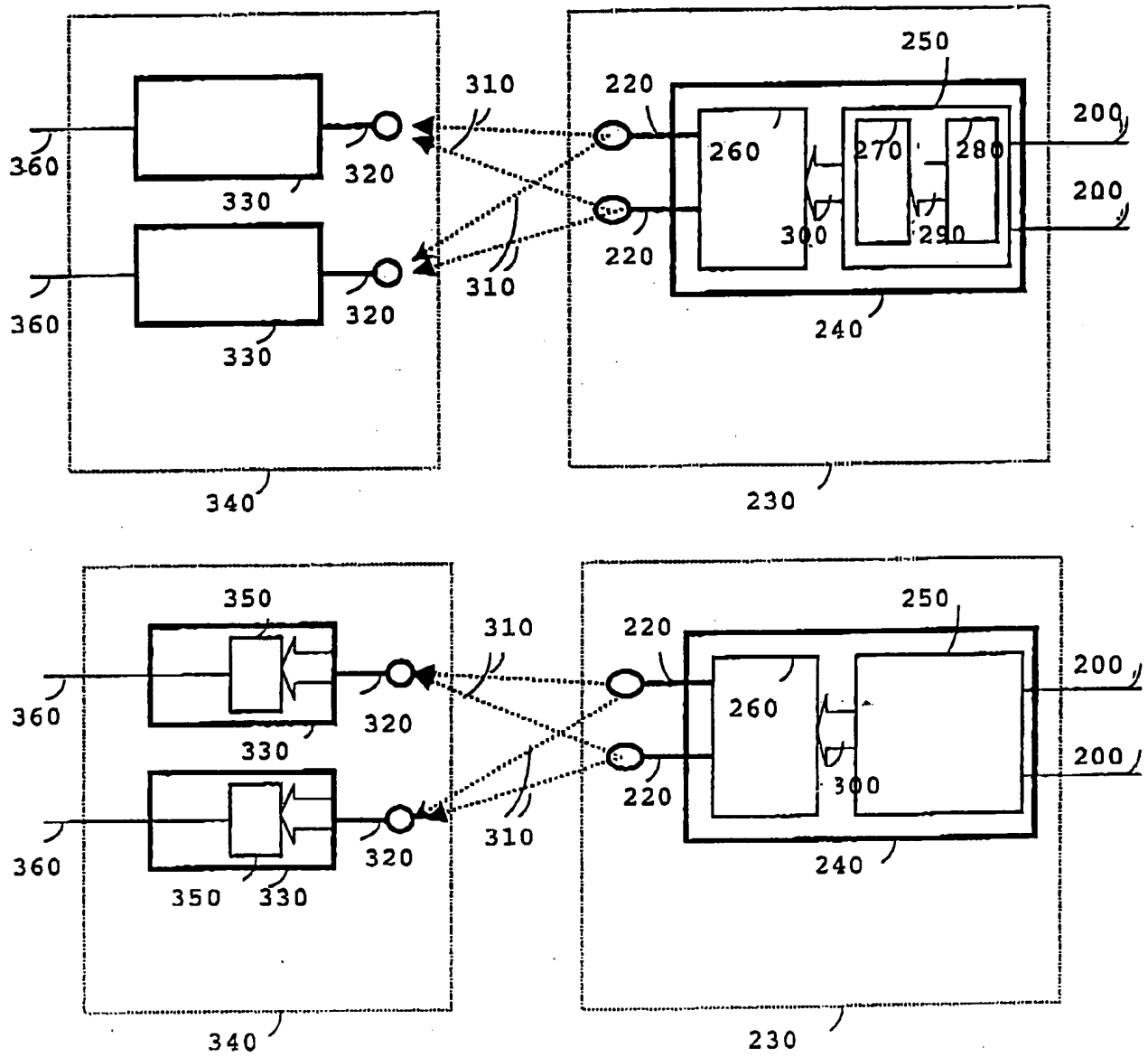
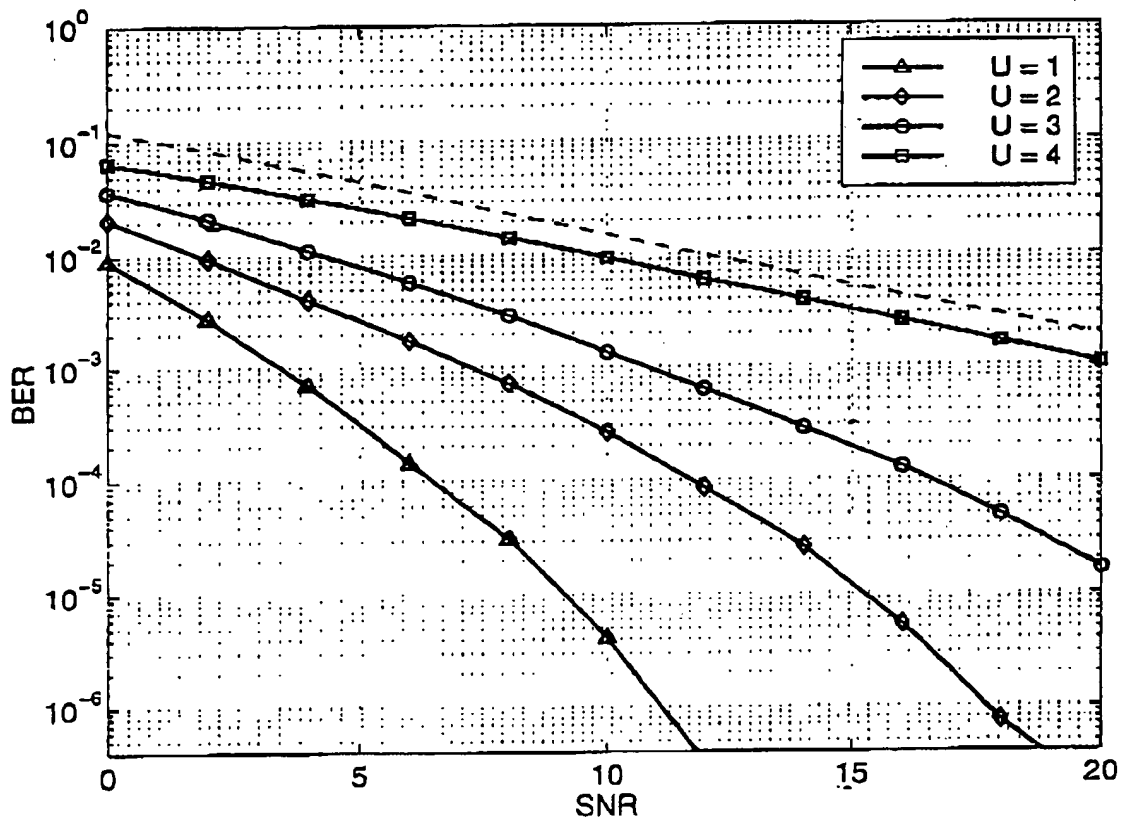
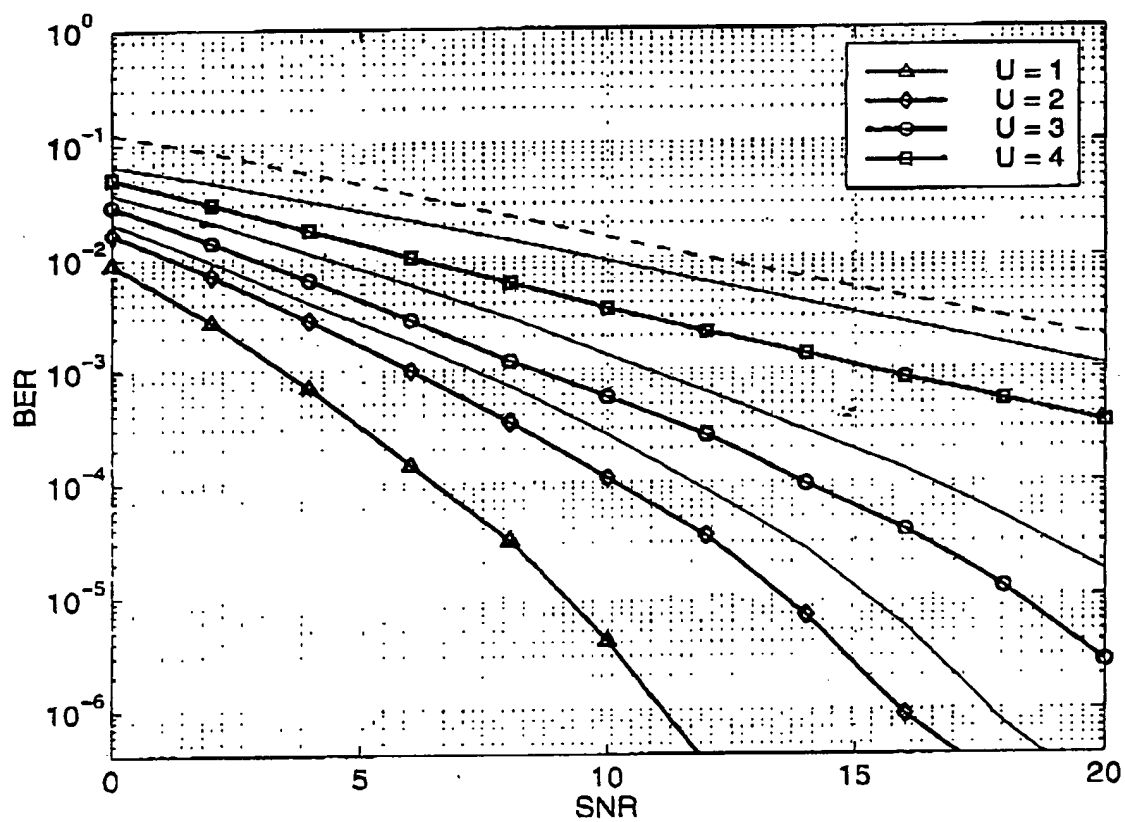


FIG. 2



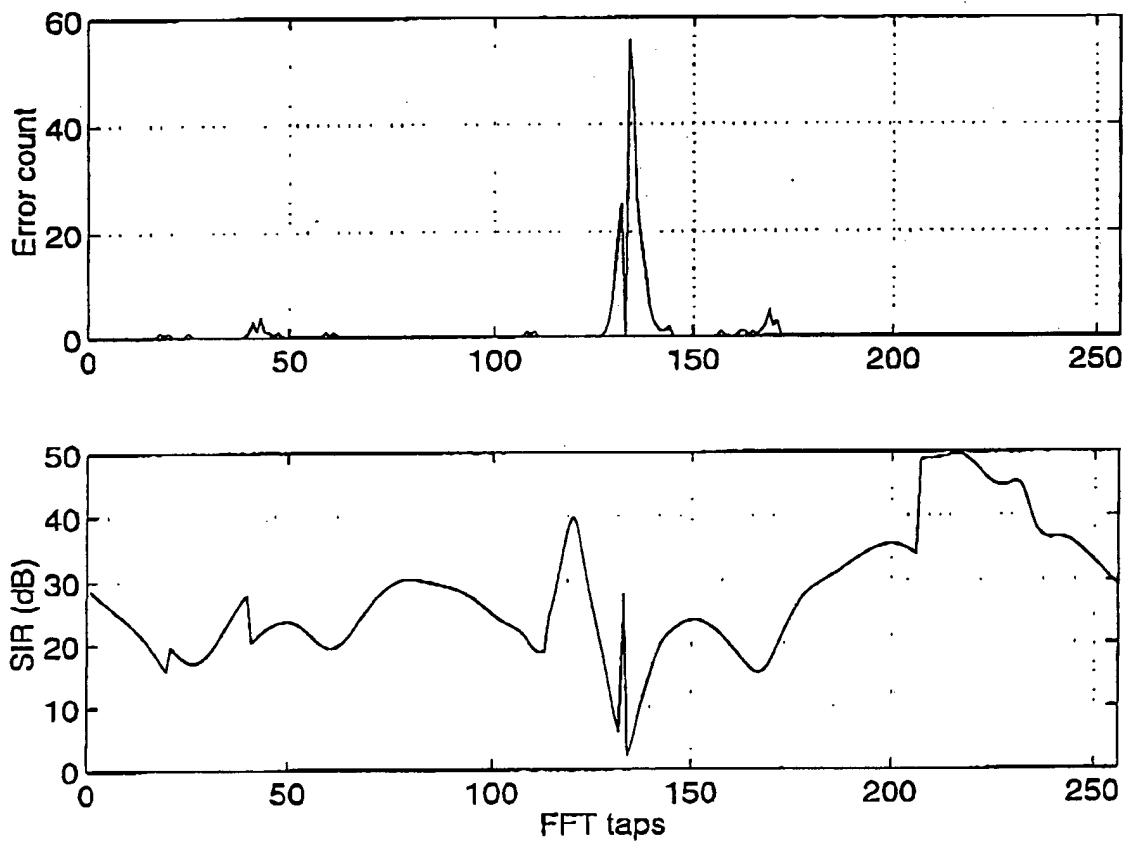
Performance of LS-OFDM/SDMA

FIG. 3



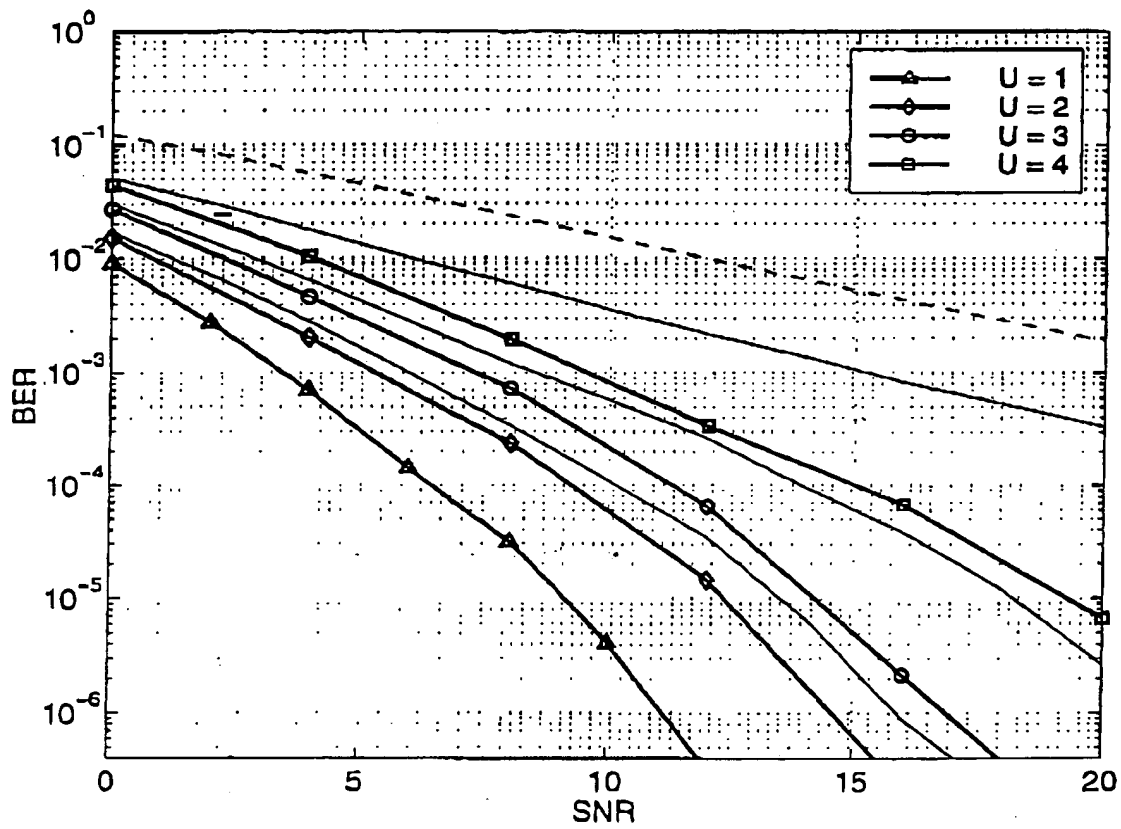
Performance of pcSIC for OFDM/SDMA

FIG. 4



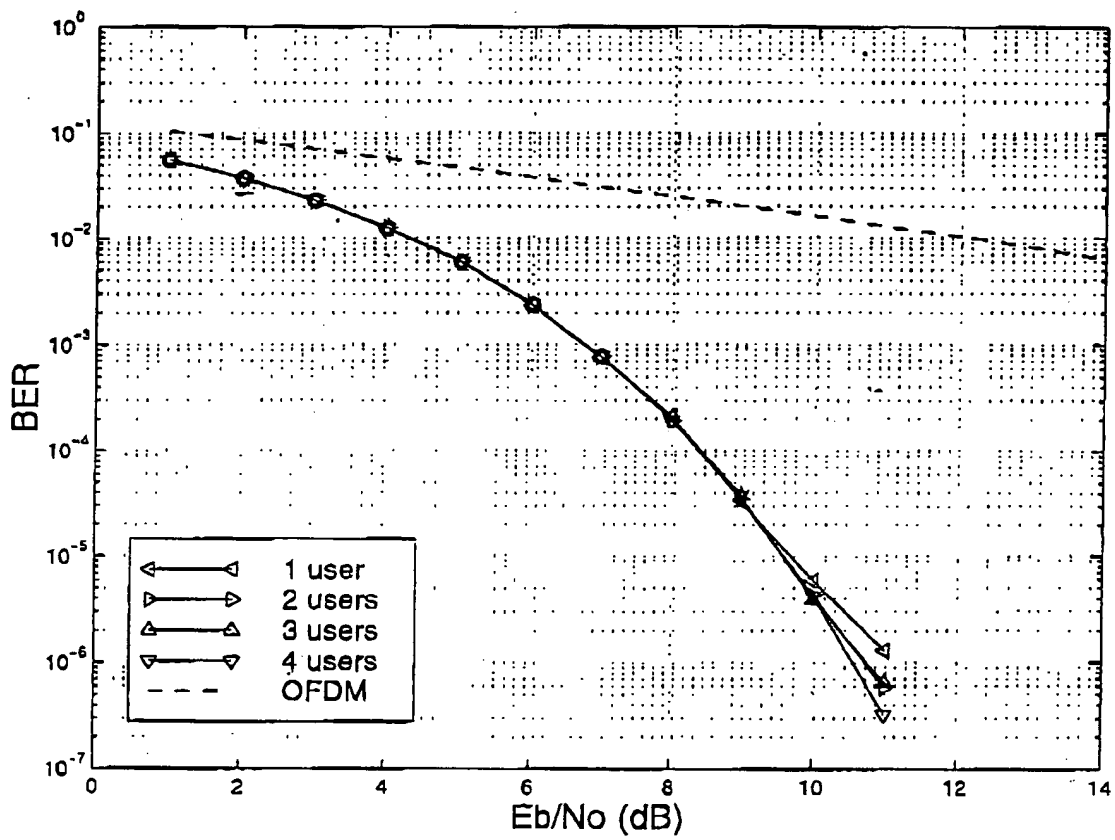
Error propagation with SIC-OFDM/SDMA

FIG. 5



Performance of pcSIC-OFDM/SDMA with SI

FIG. 6



Performance of OFDM/SDMA in the downlink

FIG. 7

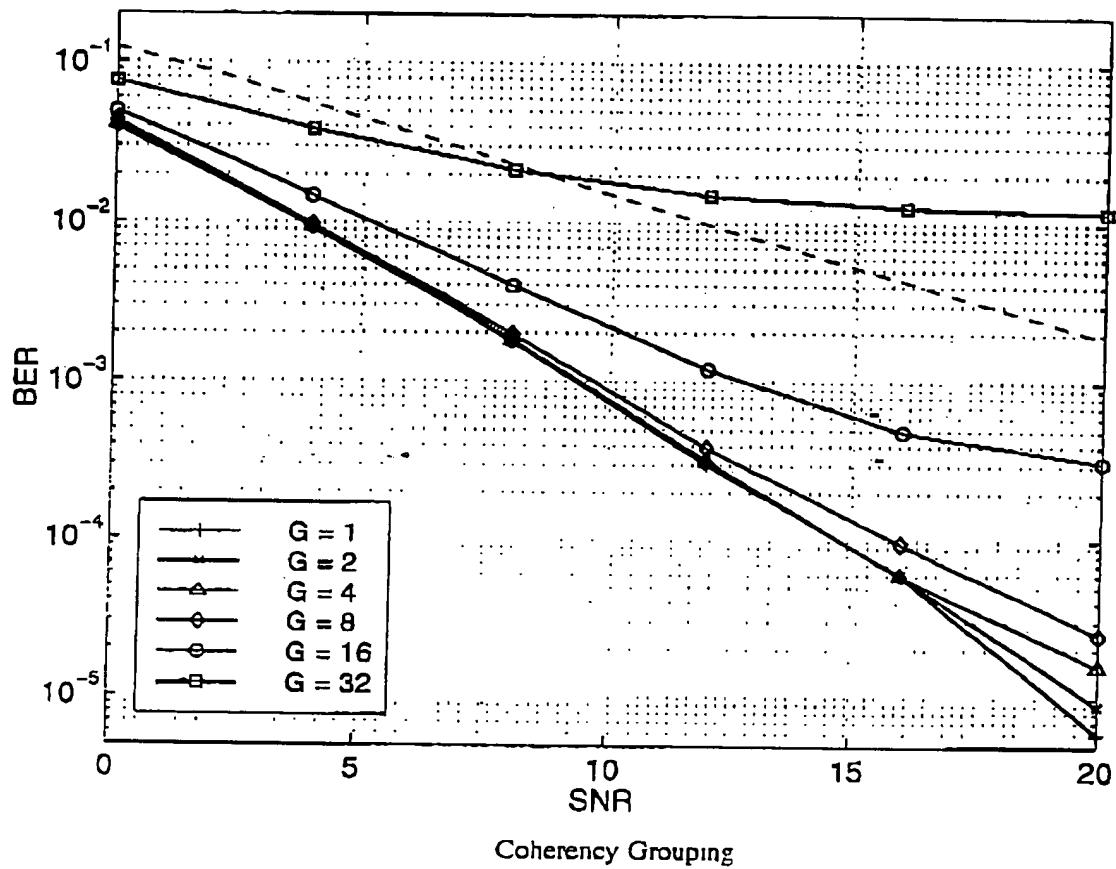


FIG. 8

LS-OFDM/SDMA operation count

	initialization	processing
multiplications	$A^3/3 + 2A^2U$	AU
additions	$A^3/3 + 2A^2U$	AU
data transfers	$A^3 + 9A^2U$	$6AU$

FIG. 9

pcSIC-OFDM/SDMA operation count

	initialization	processing
multiplications	$A^3U/3 + 12A^2U$	$2AU - A$
additions	$A^3U/3 + 12A^2U$	$2AU - A$
data transfers	$A^3U/3 + 24A^2U$	$10AU - 4A$

FIG. 10

additional operation count for SI

	initialization	processing
multiplications	$AU^2/2$	$2(M/N AU + A)$
additions	$(AU^2 + N)/2$	$2(M/N AU + A)$
data transfers	$AU^2 + N/2$	$10(M/N AU + A)$

FIG. 11